



US006442754B1

(12) **United States Patent**
Curtis

(10) **Patent No.:** **US 6,442,754 B1**
(45) **Date of Patent:** **Aug. 27, 2002**

(54) **SYSTEM, METHOD, AND PROGRAM FOR CHECKING DEPENDENCIES OF INSTALLED SOFTWARE COMPONENTS DURING INSTALLATION OR UNINSTALLATION OF SOFTWARE**

5,933,646 A * 8/1999 Hendrikson et al. 717/169
5,966,540 A * 10/1999 Lister et al. 717/174
6,006,035 A * 12/1999 Nabahi 717/175
6,144,960 A * 11/2000 Okada et al. 707/10

OTHER PUBLICATIONS

(75) Inventor: **Bryce Allen Curtis**, Round Rock, TX (US)

Indigo Rose Software Design Corp. "Setup Factory 4.0" User's Guide, 1998.

(73) Assignee: **International Business Machines Corporation**, Armonk, NY (US)

* cited by examiner

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

Primary Examiner—Gregory Morse

Assistant Examiner—Hoang-Vu Antony Nguyen-Ba

(74) *Attorney, Agent, or Firm*—David W. Victor; Konrad Raynes Victor & Mann LLP

(57) **ABSTRACT**

(21) Appl. No.: **09/280,370**

(22) Filed: **Mar. 29, 1999**

(51) **Int. Cl.**⁷ **G06F 9/445**

(52) **U.S. Cl.** **717/175; 707/104.1**

(58) **Field of Search** 717/11, 1, 175,
717/100; 707/203, 10, 104.1; 709/203,
221, 324; 710/104

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,325,533 A * 6/1994 McInerney et al. 717/107
5,499,357 A * 3/1996 Sonty et al. 710/104
5,721,824 A * 2/1998 Taylor 709/203
5,787,019 A * 7/1998 Knight et al. 709/324

Disclosed is a method, system, program, and data structure for installing a program onto a computer including an operating system. Dependency objects indicate a dependent component on which the program to install depends. The program processes the dependency objects before installing the program and determines an operating system command that is capable of determining whether the dependent component indicated in the dependency object is installed in the computer. The program then executes the operating system command to determine whether the dependent components indicated in the dependency objects are installed in the computer. An indication is made as to the dependent components that are not installed after determining that dependent components are not installed.

31 Claims, 7 Drawing Sheets

